

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-------------------------|------------------|---------|---------------------|
| L1 | 2 | (discharge near2 ports). clm. and (spiral or zigzag or radially).clm. and 429/12-46.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/04 12:30 |
| S1 | 0 | "2002203588" | US-PGPUB; USPAT | OR | ON | 2009/04/09 16:57 |
| S2 | 0 | "2002203588".pn. | US-PGPUB; USPAT | OR | ON | 2009/04/09 16:57 |
| S3 | 1 | "2002203588" | US-PGPUB; USPAT; JPO | OR | ON | 2009/04/09 17:15 |
| S4 | 2 | "2002203588" | JPO; DERWENT | OR | ON | 2009/06/25 14:06 |
| S5 | 2 | "2002305005" | JPO; DERWENT | OR | ON | 2009/06/25 14:07 |
| S6 | 1 | "5975575" | JPO; DERWENT | OR | ON | 2009/06/25 14:08 |
| S7 | 84 | (429/34.ccls. or 429/38. ccls. or 429/39.ccls.) and ((circular or round or disk or disc) near5 separator) | US-PGPUB; USPAT | OR | ON | 2009/06/25 14:54 |
| S8 | 1 | "20050221161" | DERWENT | OR | ON | 2009/06/25 14:59 |
| S9 | 0 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani. in.) or (norikazu near2 komada).in.) | DERWENT | OR | ON | 2009/06/25 15:08 |

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| S10 | 564 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) | US-PGPUB; USPAT | OR | ON | 2009/06/25 15:08 |
| S11 | 10 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) | US-PGPUB; USPAT | OR | ON | 2009/06/25 15:08 |
| S12 | 2 | "03075384" | DERWENT | OR | ON | 2009/06/25 17:57 |
| S13 | 16 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and ((concentric near2 circles) near5 separator) | US-PGPUB; USPAT | OR | ON | 2009/06/26 10:25 |
| S14 | 1 | "20050142423" | DERWENT | OR | ON | 2009/06/26 10:47 |
| S15 | 1 | "US 7544432" | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/06/26 10:50 |
| S16 | 2 | "2003431975" | JPO; DERWENT | OR | OFF | 2009/06/26 10:51 |
| S17 | 1 | "20030134174" | JPO; DERWENT | OR | OFF | 2009/06/26 10:55 |
| S18 | 1 | "20030134174" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 10:55 |
| S19 | 1 | "20020137453" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 10:56 |
| S20 | 2 | "20030180600" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 10:56 |
| S21 | 18 | "6361892" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 10:57 |
| S22 | 1 | "6361892".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 10:57 |

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|-----|----|---|--------------------|----|-----|---------------------|
| S23 | 2 | "20040043270" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 11:00 |
| S24 | 3 | "6521368" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 11:09 |
| S25 | 1 | "6521368".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 11:09 |
| S26 | 59 | (gas near3 discharge) with diameter with (upstream or downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:00 |
| S27 | 15 | (gas near3 discharge) with ((larger or smaller or different) near4 diameter) with (upstream or downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:03 |
| S28 | 45 | sprinkler and ((larger or smaller or different) near4 diameter) with (upstream or downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:06 |
| S29 | 37 | (pressure near2 drop) with ((larger or smaller or different) near4 diameter) with (upstream or downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:09 |
| S30 | 0 | (pressure near2 drop) with (gradually adj increased adj diameter) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:21 |
| S31 | 1 | (pressure near2 drop) with (increased adj diameter) near8 (downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:21 |
| S32 | 0 | (pressure near2 drop) with (gradually near2 larger near2 diameter) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:22 |
| S33 | 0 | (pressure near2 drop) with (increasingly near2 larger near2 diameter) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:22 |
| S34 | 0 | (pressure near2 drop) with (consecutively near2 larger near2 diameter) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:23 |
| S35 | 0 | (reduc\$4 near3 pressure near2 drop) with diamter | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:23 |

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|-----|-----|--|-----------------|----|-----|------------------|
| S36 | 432 | (reduc\$4 near3 pressure near2 drop) with diameter | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:23 |
| S37 | 41 | (reduc\$4 near3 pressure near2 drop) with diameter with gas | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:23 |
| S38 | 132 | (air adj conditioner adj duct) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:25 |
| S39 | 16 | (air adj conditioner adj duct).ab. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:25 |
| S40 | 174 | ((increase near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:30 |
| S41 | 6 | ((increase near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream) same (pressure near2 drop) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:30 |
| S42 | 5 | ((increased near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream) same (pressure near2 drop) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:31 |
| S43 | 0 | (larger near2 sprinkler near2 heads) with (downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:34 |
| S44 | 3 | (larger near2 gas near2 discharge) with (downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:34 |
| S45 | 76 | (larger near3 discharge) with (downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:38 |
| S46 | 13 | (larger near3 discharge) with (downstream) with diameter | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:38 |
| S47 | 0 | (larger near2 diamter near2 (holes or ports or nozzles) near2 downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 13:12 |

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| S48 | 2 | (larger near2 diameter near2 (holes or ports or nozzles) near2 downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 13:12 |
| S49 | 9 | (larger near2 diameter near5 (holes or ports or nozzles) near2 downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 13:26 |
| S50 | 9 | (larger near2 diameter near5 (holes or ports or nozzles) near2 downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 13:43 |
| S51 | 5 | ((increased near2 ((cross-sectional) or (cross near2 sectional)) near2 area) with ((down near2 stream) or downstream) same (pressure near2 drop) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 13:46 |
| S52 | 13 | (larger near3 discharge) with (downstream) with diameter | US-PGPUB; USPAT | OR | OFF | 2009/06/26 14:04 |
| S53 | 33 | (larger near2 (holes or ports or nozzles) near2 downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 14:07 |
| S54 | 33 | (larger near2 (holes or ports or nozzles) near2 downstream) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 14:07 |
| S55 | 31 | acetate with (electrolyte) and (429/306.ccls. or 429/188.ccls.) | USPAT | OR | OFF | 2009/06/26 15:00 |
| S56 | 37 | \$10acetate with (electrolyte) and (429/306.ccls. or 429/188.ccls.) | USPAT | OR | OFF | 2009/06/26 15:13 |
| S57 | 61 | \$10acetate with (electrolyte) and (429/306.ccls. or 429/188.ccls.) | US-PGPUB; USPAT | OR | OFF | 2009/06/26 15:13 |
| S58 | 24 | (\$10acetate with (electrolyte)).ab. and "429".clas. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 15:17 |
| S59 | 30 | \$10acetate with (electrolyte) with \$10butyrate and "429". clas. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 15:28 |

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| S60 | 12 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (spiral with (flow near2 field)) | US-PGPUB; USPAT | OR | ON | 2009/06/26 15:58 |
| S61 | 1 | "20050142427".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 16:17 |
| S62 | 3 | "6521368" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 16:17 |
| S63 | 3 | "6521368" | US-PGPUB; USPAT | OR | OFF | 2009/06/26 16:21 |
| S64 | 1 | "6521368".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 16:21 |
| S65 | 1201 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell)) | US-PGPUB; USPAT | OR | ON | 2009/06/26 16:23 |
| S66 | 111 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell)) and (spiral or zigzag) | US-PGPUB; USPAT | OR | ON | 2009/06/26 16:23 |
| S67 | 1201 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell)) | US-PGPUB; USPAT | OR | ON | 2009/06/26 16:40 |
| S68 | 648 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (sofc or (solid near2 oxide near2 fuel near2 cell)) and (hole or port or nozzle) | US-PGPUB; USPAT | OR | ON | 2009/06/26 16:41 |
| S69 | 316 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (spiral or zigzag) | US-PGPUB; USPAT | OR | ON | 2009/06/26 16:42 |
| S70 | 205 | (429/34.ccls. or 429/38.ccls. or 429/39.ccls.) and (spiral or zigzag) not (sofc or (solid near2 oxide near2 fuel near2 cell)) | US-PGPUB; USPAT | OR | ON | 2009/06/26 16:42 |
| S71 | 64928 | 429/12-46.ccls. and spiral or zig\$4 | US-PGPUB; USPAT | OR | OFF | 2009/06/29 16:03 |
| S72 | 728 | 429/12-46.ccls. and (spiral or zig\$4) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 16:03 |
| S73 | 799 | 429/12-46.ccls. and (spiral\$2 or zig\$4) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 16:04 |

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| S74 | 161 | h01m008\$.ipc. and (spiral or zig\$4) | EPO; JFO | OR | OFF | 2009/06/29 16:48 |
| S75 | 222 | h01m8\$.ipcr. and (spiral or zig\$4) | DERWENT | OR | OFF | 2009/06/29 17:01 |
| S76 | 1 | "2003109625" | DERWENT | OR | OFF | 2009/06/29 17:17 |
| S77 | 1 | "07226207" | DERWENT | OR | OFF | 2009/06/29 17:18 |
| S78 | 2670 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) | EPO; JFO; DERWENT | OR | ON | 2009/06/29 17:26 |
| S79 | 178 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and (h01m8\$.ipcr. or h01m008\$.ipc.) | EPO; JFO; DERWENT | OR | ON | 2009/06/29 17:27 |
| S80 | 0 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and (h01m8\$.ipcr. or h01m008\$.ipc.) and (aluminum with (diffusion or coating)) | EPO; JFO; DERWENT | OR | ON | 2009/06/29 17:40 |
| S81 | 1 | 429/12-46.ccls. and (aluminum near2 diffusion near2 coating) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 17:41 |

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| S82 | 22 | 429/12-46 ccls. and (aluminum near2 coating with corrosion) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 17:43 |
| S83 | 2 | 429/12-46 ccls. and (iron or chromium or nickel) near5 separator same (silver near2 coat \$3) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 17:46 |
| S84 | 3 | 429/12-46 ccls. and (radially near2 branch \$2) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 18:10 |
| S85 | 759 | 429/12-46.ccls. and (radial) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 18:23 |
| S86 | 299 | 429/12-46.ccls. and (radial) and (solc or (solid near2 oxide)) | US-PGPUB; USPAT | OR | OFF | 2009/06/29 18:23 |
| S87 | 6 | "6670069" | US-PGPUB; USPAT | OR | OFF | 2009/06/29 18:35 |
| S88 | 1 | "6670069".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/29 18:35 |
| S89 | 1 | "2002203588" | JPO | OR | OFF | 2009/06/30 09:28 |
| S90 | 1 | "59075575" | JPO | OR | OFF | 2009/06/30 09:29 |
| S91 | 1 | "2002305005" | JPO | OR | OFF | 2009/06/30 09:30 |
| S92 | 3 | "03075384" | EPO; JPO; DERWENT | OR | OFF | 2009/06/30 09:36 |
| S93 | 4 | "2003075384" | EPO; JPO; DERWENT | OR | OFF | 2009/06/30 09:38 |
| S94 | 4070 | 429/34.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/06/30 09:52 |
| S95 | 2419 | 429/38.ccls. | US-PGPUB; USPAT | OR | OFF | 2009/06/30 09:56 |
| S96 | 1 | "20040043270".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/30 10:02 |
| S97 | 1 | "6179816".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/30 10:02 |
| S98 | 6 | "6670069" | US-PGPUB; USPAT | OR | OFF | 2009/06/30 10:08 |
| S99 | 1 | "6670069".pn. | US-PGPUB; USPAT | OR | OFF | 2009/06/30 10:08 |
| S100 | 1 | "20010028974" | US-PGPUB; USPAT | OR | OFF | 2009/06/30 10:09 |
| S101 | 1 | "2002203588" | JPO | OR | OFF | 2010/03/04 11:38 |

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| S102 | 0 | "5975575" | JPO | OR | OFF | 2010/03/04 11:39 |
| S103 | 0 | "59-75575" | JPO | OR | OFF | 2010/03/04 11:39 |
| S104 | 1 | "59075575" | JPO | OR | OFF | 2010/03/04 11:39 |
| S105 | 1 | "2002305005" | JPO | OR | OFF | 2010/03/04 11:40 |
| S106 | 38 | ((yamada near2 takashi).in. or (masaharu near2 yamada).in. or (taner near2 akbay).in. or (koji near2 hoshino).in. or (takashi near2 miyazawa).in. or (takafumi near2 kotani.in.) or (norikazu near2 komada).in.) and 429/12-46.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/04 11:43 |
| S107 | 1 | (multiple near2 gas near2 discharge near2 ports).clm. and 429/12-46.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/04 12:28 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-------------|------------------|---------|------------------|
| L2 | 1 | (discharge near2 ports).clm. and (spiral or zigzag or radially). clm. and 429/12-46.ccls. | USPAT; UPAD | OR | OFF | 2010/03/04 12:32 |
| L3 | 0 | (multiple near2 gas near2 discharge near2 ports).clm. and 429/12-46.ccls. | USPAT; UPAD | OR | ON | 2010/03/04 12:32 |

3/ 4/ 2010 12:41:30 PM

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